



# HASE-7

## Alkali swelling thickener

### Overview

HASE-7 is a hydrophobically modified alkali-swellaable emulsion (HASE) thickener, particularly suitable for high PVC (pigment volume concentration) low gloss coatings, real stone paints, textured coatings, textile coatings, and waterborne inks. It offers efficient thickening at low and mid shear viscosities, exceptional sag resistance, and a fast thickening rate.

### Physicochemical Properties

<b>Appearance</b>	Milky white liquid	<b>Composition</b>	Anionic hydrophobically modified polyacrylate
<b>Solid Content</b>	30.0 ± 2.0%	<b>Solvent</b>	Water
<b>Density</b>	1.10 g/ml	<b>pH Value</b>	3.0 ± 1.0
<b>Viscosity at 25°C</b>	<50 cp		

### Characteristics & Advantages

- Free of APEO compounds, organic solvents; low odor and environmentally friendly.
- Provides dual high-efficiency thickening through association and aqueous phase.
- Rapid and excellent mid-shear (KU) viscosity and low-shear (Brookfield) viscosity thickening efficiency.
- Exhibits high pseudoplasticity, outstanding sag resistance, and excellent anti-settling properties.
- Can replace cellulose, offering superior thickening and anti-splash performance, with lower formulation costs.
- Resistant to microbial and enzymatic degradation.

### Dosage

Adjust the system's pH to 8-9 before use. It is recommended to dilute with water prior to application. Suggested addition levels: 0.2-0.8% of the total formulation weight. If the viscosity exceeds the design specification, a small amount of co-solvent can be added to reduce viscosity.

### Application

Water-based architectural coatings, water-based industrial coatings, real stone paints, textile coatings, waterborne inks, waterborne colorants, etc.

**Precautions & Storage**

Avoid freezing. Store at temperatures between 0-50 °C.

Keep the product in a cool, well-ventilated area, with containers tightly sealed and away from heat and sources of ignition.

**Safety**

Refer to MSDS

**Packaging**

25 KG/Barrel